

WHAT IS CLAIMED IS:

1. A bristle disk for an electric toothbrush comprising:
a bristle carrier; and

5 at least three groups of tufts extending from said bristle carrier, each of said tufts having one or more bristles, some of said tufts being a first group of tufts disposed in an outer row, others of said tufts being a second group of tufts disposed in a middle row and still others of said tufts being a third
10 group of tufts disposed in an inner row, said tufts of said outer row having a height and shape adapted for cleaning the gingival space between teeth and gums, said tufts of said middle row having a height and shape adapted for cleaning the surface of the teeth, and said inner row having at least one tuft, said
15 at least one tuft of said inner row having a height and shape adapted for cleaning the interproximal space between the teeth.

2. The bristle disk of claim 1, wherein said one or more bristles are circular.

20 3. The bristle disk of claim 2, wherein said one or more bristles have the same diameter.

4. The bristle disk of claim 1, wherein said one or more bristles have a proximal end and a distal end, and wherein said distal end has an embossment.

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5. The bristle disk of claim 1, wherein said one or more bristles are made of nylon or polyester.

6. A bristle disk for an electric toothbrush comprising:

a bristle carrier; and

a plurality of bristles arranged in at least three groups of tufts, said tufts extending from said bristle carrier, some of said tufts being a first group of tufts, said first group of tufts being disposed in an outer row on said bristle carrier, said first group of tufts being of the same height;

others of said tufts being a second group of tufts, said second group of tufts forming a middle row on said bristle carrier, said second group of tufts alternating between tufts with bristles of the same height and tufts with bristles of differing height wherein said tufts with bristles of differing height form an inward incline; and

still others of said tufts being a third group of tufts, said third group of tufts located about at a center point of said bristle carrier, said third group of tufts having bristles with differing height and forming a point.

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7. The bristle disk of claim 6, wherein said plurality of bristles are substantially circular.

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8. The bristle disk of claim 7, wherein said plurality of bristles have the same diameter.

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9. The bristle disk of claim 6, wherein said plurality of bristles have a proximal end and a distal end, wherein said distal end has an embossment.

10. The bristle disk of claim 6, wherein said plurality of bristles are made of nylon or polyester.

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11. The bristle disk of claim 6, wherein said first group of tufts are eight tufts.

12. The bristle disk of claim 6, wherein said second group of tufts are eight tufts.

5 13. The bristle disk of claim 6, wherein said first group of tufts are circumferentially offset from said second group of tufts.

10 14. The bristle disk of claim 6, wherein said third group of tufts is a single tuft that is circular.

15 15. The bristle disk of claim 6, wherein said point has a height greater than the height of said first group of tufts and said second group of tufts.

20 16. The bristle disk of claim 6, wherein said first group of tufts are rectangular and have long sides and short sides.

17. The bristle disk of claim 16, wherein said first group of tufts have rounded corners.

18. The bristle disk of claim 16, wherein said long sides are substantially perpendicular to a radius of said bristle carrier and said short sides are substantially parallel to said radius.

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19. The bristle disk of claim 16, wherein said long sides are outwardly curved.

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20. The bristle disk of claim 19, wherein said long sides have a radius of curvature that is about equal to a radius of said outer row.

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21. The bristle disk of claim 6, wherein said second group of tufts with bristles of the same height form circular tufts.

22. The bristle disk of claim 21, wherein said second group of tufts that are circular tufts are shorter than said first group of tufts and said third group of tufts.

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23. The bristle disk of claim 6, wherein said second group of tufts that have differing height form rectangular tufts with long sides and short sides.

24. The bristle disk of claim 23, wherein said rectangular tufts have rounded corners.

5 25. The bristle disk of claim 23, wherein said long sides are substantially parallel to a radius of said bristle carrier and said short sides are substantially perpendicular to said radius.

10 26. The bristle disk of claim 23, wherein said long sides are outwardly curved.

15 27. The bristle disk of claim 26, wherein said long sides have a radius of curvature that is about equal to a radius of curvature of said middle row.

28. A brush section for an electric toothbrush having a handle section, the brush section comprising:

20 a body having a first end adapted to be connected to the handle section and a second end remote from said first end, and

a bristle disk rotatably engageable with said second end,
wherein said bristle disk comprises:

a bristle carrier; and

5 a plurality of bristles arranged in at least three groups
of tufts, said tufts extending from said bristle carrier, some
of said tufts being a first group of tufts, said first group of
tufts being disposed in an outer row on said bristle carrier,
said first group of tufts being of the same height;

10 others of said tufts being a second group of tufts, said
second group of tufts forming a middle row on said bristle
carrier, said second group of tufts alternating between tufts
with bristles of the same height and tufts with bristles of
differing height wherein said tufts with bristles of differing
height form an inward incline; and

15 still others of said tufts being a third group of tufts,
said third group of tufts located about at a center point of
said bristle carrier, said third group of tufts having bristles
with differing height and forming a point.

20 29. The brush section of claim 28, wherein said plurality
of bristles are substantially circular.

30. The brush section of claim 29, wherein said plurality of bristles have the same diameter.

5 31. The brush section of claim 28, wherein said plurality of bristles have a proximal end and a distal end, wherein said distal end has an embossment.

10 32. The brush section of claim 28, wherein said plurality of bristles are made of nylon or polyester.

15 33. The brush section of claim 28, wherein said first group of tufts are eight tufts.

20 34. The brush section of claim 28, wherein said second group of tufts are eight tufts.

35. The brush section of claim 28, wherein said first group of tufts are circumferentially offset from said second group of tufts.

36. The brush section of claim 28, wherein said third group of tufts is a single tuft that is circular.

5 37. The brush section of claim 28, wherein said point has a height greater than the height of said first group of tufts and said second group of tufts.

10 38. The brush section of claim 28, wherein said first group of tufts are rectangular and have long sides and short sides.

39. The brush section of claim 38, wherein said first group of tufts have rounded corners.

15 40. The brush section of claim 38, wherein said long sides are substantially perpendicular to a radius of said bristle carrier and said short sides are substantially parallel to said radius.

20 41. The brush section of claim 38, wherein said long sides are outwardly curved.

42. The brush section of claim 41, wherein said long sides have a radius of curvature that is about equal to a radius of said outer row.

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43. The brush section of claim 28, wherein said second group of tufts with bristles of the same height form circular tufts.

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44. The brush section of claim 43, wherein said second group of tufts that are circular tufts are shorter than said first group of tufts and said third group of tufts.

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45. The brush section of claim 28, wherein said second group of tufts that have bristles of differing height form rectangular tufts with long sides and short sides.

46. The brush section of claim 45, wherein said rectangular tufts have rounded corners.

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47. The brush section of claim 45, wherein said long sides are substantially parallel to a radius of said bristle carrier and said short sides are substantially perpendicular to said radius.

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48. The brush section of claim 45, wherein said long sides are outwardly curved.

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49. The brush section of claim 48, wherein said long sides have a radius of curvature that is about equal to a radius of curvature of said middle row.